Census File Number

Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997

INSTRUCTIONS

1. General – The materials, parts, and supplies listed below are those commonly consumed in the manufacture, processing, or assembly of the products listed in item 18B. Please review the entire list and report separately each item consumed. Leave blank if you do not consume the item. If you use materials, parts, and supplies which are not listed, describe and report them in the "Cost of all other materials . . . " line at the end of this section. If you consumed less than \$25,000 of a listed material, include the value with "Cost of all other materials . . . ," Census material code 970099 8.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

2. Valuation of Materials Consumed – The value of the materials, etc., consumed should be based on the delivered cost; i.e., the amount paid or payable after discounts and including freight and other direct charges incurred in acquiring the materials.

Materials received from other plants within your company should be reported at their full economic value (the value assigned by the shipping plant, plus the cost of freight and other handling charges).

If purchases or transfers do not differ significantly from the amounts actually put into production, you may report the cost of purchases or transfers. However, if consumption differs significantly from the amounts purchased or transferred, these amounts should be adjusted for changes in the materials and supplies inventories by adding the beginning inventory to the amount purchased or transferred and subtracting ending inventory.

- 3. Produced and Consumed Forgings, foundries, and screw machine products Report the quantities produced and used in manufacturing other products made in this establishment in item 19. Note that the materials used to produce these items should be reported in item 17.
- 4. Contract Work Include as materials consumed those you purchased for use by others making products for you under contract. Amounts paid to the companies doing the contract work should be reported in item 10, line e, and should include freight in and out. On the other hand, materials owned by others but used at this establishment in making products for others under contract or on commission should be excluded.
- 5. Resales Cost for products bought and sold or transferred from other establishments of your company and sold without further manufacture, processing, or assembly should be reported in item 10, line b, not in item 17 below. The value of these products shipped by this establishment should be reported in item 18B under Census product code 99989 00 6, "Resales."

Line No.		Ma	Census material code	purchase and of received establishm cor Cost, inclu cost (f	materia from onents of nents of nents of nents of nents of ding de reight-i	erials als ther f your elivery n)	
	FABRICATED		(A)	(6)	IVIIIIONS	Sanus	Dollars
1	METAL PRODUCTS	Bolts, nuts, scre	ews, washers, rivets, and screw machine products	345001 2	\$	 	1
2	(Except forgings)	Other fabricated	d metal products	340098 3		 	
3	Forgings			346000 3		 	
4						 	
5	semifinished)	Nonferrous		336010 4		 	
6	Shapes and Forms (Except	STEEL	Bars, bar shapes, and plates	331007 5		 	
7	Castings, Forgings, and		Sheet and strip	331022 4		 	
8	Fabricated Metal		All other	331034 9]]	
9	Products)	ALUMINUM AND	Sheet, plate, foil, and welded tubing	335301 8		 	
10		ALUMINUM- BASE ALLOY	All other	335011 3		 	
11		Other nonferro	ıs	335091 5		 	l I
12	METAL POWDERS	Tungsten carbi	de	339916 9		 	
13		All other		339919 3		 	
14	Iron and steel so	crap (excluding h	190074 5		 	 	
15	Industrial diamo	onds	329903 9				
16	Electric transmis	ssion, distributio	n, and control equipment	360101 0		 	
17	Grinding wheels	s and other abras	sive products (except industrial diamonds)	329101 0		 	

CONTINUE WITH ITEM 17 ON PAGE 6

I1	tem 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997 – Continued					
	Materials, parts, and supplies	Census material	Consur purchase and of received establishm con	erials als ther		
e No.		code		ding de reight-i (E)	elivery n)	
Line	(A)	(B)	574 Millions	Thou- sands	l Dollars	
18	Fluid power products, including pumps, motors, valves, cylinders, rotary actuators, hose or tube fittings and assemblies, filters, etc. (hydraulic and pneumatic)	190090 1	\$	 		
19	Ceramic raw materials, including powders, chemicals, and fibers (excluding refractory uses)	280020 9		 		
20	Ceramic and ceramic composite parts, components, and accessories	320601 8		 		
21		970099 8		 		
	Describe the principal materials, etc., included in this value.			i I	 	
	TOTAL			 		
22	1 27 7 7		\$	 		

Item 18A - Not applicable to this report

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997

INSTRUCTIONS

 General - The manufactured products and services listed below are generally made in your industry. If you make products that are not listed, describe and report them in the "All other products made in this establishment" section at the end of item 18B. PLEASE DO NOT COMBINE PRODUCT LINES.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

2. Valuation of Products – Report the value of the products shipped and services performed at the net selling value, f.o.b. plant to the customer; i.e., after discounts and allowances, and exclusive of freight charges and excise taxes.

If you transfer products to other establishments within your company, you should assign the full economic value to the transferred products; i.e., include all direct costs of production and a reasonable proportion of all other costs and profits.

3. Contract Work – Report PRODUCTS MADE BY OTHERS FOR YOU FROM YOUR MATERIALS on the specific lines as if they were made in this establishment. On the other hand, do not report on the specific product lines PRODUCTS THAT YOU MADE FROM MATERIALS OWNED BY OTHERS. Report only the amount that you received for "commission or contract receipts" under Census product code 93000 00 8.

- 4. Resales Do not report on the specific product lines those PRODUCTS BOUGHT AND SOLD OR TRANSFERRED FROM OTHER ESTABLISHMENTS OF YOUR COMPANY AND SOLD WITHOUT FURTHER MANUFACTURE. Report only a value under Census product code 99989 00 6, "Resales."
- 5. Detailed Data Reported Elsewhere Items denoted by an asterisk (*) require totals for groups of products covered in the more frequent Current Industrial Reports (CIR). If you report on the CIR forms, the sum of the detailed CIR products should equal the total reported on this census form. For survey item codes, see paragraph 4 of CIR Instruction Manual.

NOTE: Only CIR totals are requested; do not duplicate detail reported on the CIR.

6. Special Instructions

- **a.** Product class 35451 (lines 47–83) covers small cutting tools for machine tools and metalworking machinery.
- b. Single and double point tools (line 71) Single and double point tools are cutting tools with intergral or bonded shank and cutting elements; rectangular, round, and other cross section; single and double end, including flat form and dovetail tools, used for turning, planing, boring, shaping, shaving, forming, threading, cutting off, etc., (excluding circular form tools, all mechanical devices, and replaceable inserts).
- c. Blanks, tips, and inserts (lines 73–80) Molded blanks and tips (except pressed-to-size inserts) are case or pressed. Include those requiring further processing and finished or semifinished forms of blanks for brazing, soldering, or otherwise bonding to a shank to form a cutting tool.

Census File Number

Item 18B. PRODUCT	S AND SERVICES	S OF THIS ESTABLISHN	/IFNT DURING 1997 -	- Continued

Products and services						Product and oth	s shipp er rece	ed ipts		
Special Dise Millions Milli	ď		product	Value, f	.o.b. pl					
Special Dies FixTURES All Other jigs Less than 1,000 pounds weight 35441 13 8 3 1,000 pounds weight 35441 13 8 3 1,000 pounds weight 35441 13 1 3 3 1,000 pounds weight 35441 13 3 3 3 1,000 pounds weight 35441 13 3 3 3 1,000 pounds weight 35441 13 3 3 3 3 3 3 3 3 3	ne N								Thou-	
Common and color Common and			I		I		(B)	Millions	sands	Dollars
1,000 pounds weight or more 35441 15 3		I and Tools,	FIXTURES,	checking	checking Less than 1,000 pounds weight			\$	[[
A	2	Jigs, and Fixtures		1,123	•	eight or more	35441 15 3		 	
A				and fixtures (holding, positioning, layout,	1,000 pounds	fixtures (corresponds to the value of shipments as reported on CIR Form MQ35W, Metalworking Machinery, for 1997) (Item code	35441 16 1		 	
1,000 pounds weight or more 35441 18 7	4	1					35441 14 6		 	
Standard catalog components and parts for jigs and fixtures (including drill bushings) 35441 19 5								 		
DiEs. METAL-WORKING ONLY	į	5			-		35441 18 7		! 	
Press brake dies	•	5	DIEG ATT	Standard catalo fixtures (includi	g components ar ng drill bushings	nd parts for jigs and)	35441 19 5		[[
Forming and drawing dies	-	7	WORKING		3		35441 21 1		1 	
More than 3,000 pounds weight 35441 26 0		3		Forming and drawing dies	Forming and drawing dies 500 pounds weight or less				 	
Stamping dies (including lamination and blanking dies)	9	9			501 to 3,000 por	35441 24 5				
11	10				More than 3,000	35441 26 0		 		
12	1	1		(including	including type dies amination and	High-speed steel	35441 27 8		 	
All other stamping-type dies (punch, trim, notch, pierce, perforate, etc.) 35441 23 7	12	2				Carbide	35441 28 6		 	
14	13	3				Other	35441 25 2		 	
15	14	1			All other stamp trim, notch, pier	ing-type dies (punch, rce, perforate, etc.)	35441 23 7			
Total Part	1!	5		(including cold	Open die type		35441 33 6		! 	
17	10	5		heading)	Closed die type		35441 35 1		 	
18	17	7		wiredrawing	High-speed stee	el	35441 43 5		 	
Other 35441 44 3	18	3		straightening	Carbide		35441 45 0		1	
All other dies	19	9			Ceramic and ce	ramic composite	35441 42 7		 	
High-speed steel 35441 46 8	20	D			Other		35441 44 3		 	
Other 35441 48 4	2	1		All other dies	High-speed stee	e)	35441 46 8		 	
Standard and special components and parts for dies	22	2			Carbide		35441 47 6		 	
Special components and parts for dies	23	3		0	Other		35441 48 4		 	
25 26 27 Other Standard punches Steel 35441 75 7 Carbide 35441 77 3 Industrial models and prototypes 35441 83 1	24	1		special			35441 73 2		[[
27 28 Other 35441 78 1	2!	5		and parts for		Steel	35441 75 7			
Industrial models and prototypes 35441 83 1	20	5				Carbide	35441 77 3		1 	
	2	7			Other		35441 78 1		[[
Other specially designed tooling 35441 89 8	28	3	Industrial mode	els and prototypes	3		35441 83 1			
CONTINUE ON PAGE	29		Other specially	designed tooling			35441 89 8		 	

It	Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued											
			Product and oth	s shipp er recei	ed ipts							
		Products and services				Census product	Value, f	.o.b. pl	ant			
Line No.						code 581	584	1				
<u> </u>			(A)			(B)	Millions	Thou- sands	Dollars			
30	Industrial Molds and Mold Boxes	INDUSTRIAL MOLDS MADE OF METAL	Molds for metal or	Die-casting dies	For low-pressure casting	35442 03 7	\$	 				
31	(35442)	OF WETAL	metal carbides (except ingot molds)		For high-pressure casting	35442 05 2		[[
32				Permanent mole	ds (for gravity casting)	35442 07 8		1 				
33				Other types		35442 09 4		 				
34			Molds for wax			35442 14 4		 				
35			Molds for miner	ral materials		35442 21 9		 				
36			Molds for glass			35442 25 0		 				
37			Molds for rubber	Injection- or cor	npression-types	35442 41 7		 				
38			Molds for	Other types		35442 42 5		 				
39			plastics	Injection-types		35442 51 6		[<u> </u>			
40				metal molds)	pe (including matched	35442 55 7		1 				
41				All other types (including transfer, plunger, and rotational molds)				[[]				
42			Molds for other	35442 45 8		[
43			Mold bases I molds made of materials other than metal, for metal, metal					 	<u> </u>			
44			mineral materials		35442 64 9		[[
45		Other industrial	molds made of r	molds made of materials other than metal, n.e.c.				 				
46	C II	Mold boxes or f	lasks for use with	n patterns and sa	nd molds in foundries	35442 67 2						
47	Small Cutting Tools for		ding holders and	burnishing bars)		35451 14 5		 				
48	Machine Tools and Metal-	TWIST DRILLS (Excluding combined	Carbon steel and high- speed steel	Taper shank		35451 15 2		[
49	working Machinery (35451)	drills, countersinks, and gun		Straight shank		35451 21 0			-			
50	(35451)	drills)	sold separately;	nd tipped (exclude excluding masor	ling tips and blanks nry drills)	35451 24 4		 				
51			Masonry drill bi	ts		35451 22 8		[<u>[</u> [
52		Gun drills and g	un reamers			35451 25 1		 				
53			ills and countersi		ag combined delle	35451 26 9		 				
54		countersinks an	d pilots for interc ncluding spot fac	hangeable pilot t	• •	35451 27 7		1 1 1				
55		interchangeable	pilot types)		el (including blades	35451 29 3		 				
56		(All types, but excluding	sold separately)		g replaceable blades	35451 32 7						
57		gun reamers)	sold separately;	35451 36 8		1]]						
58		Hobs, all types				35451 42 6		[[[
59		•	ters and gear shaving cutters			35451 47 5		1				
60		END MILLS End mills, AND solid and MILLING tipped, CUTTERS die-sinking contour, High-speed steel			ıl	35451 51 7		 				
	(Continued	(Continued	router, tracer, hollow mills, etc. (excluding inserted blade types and	Carbide, solid a	nd tipped (excluding	35451 52 5		 				
61	on next page)	on next page)	sneil mills)	shell mills) Carbide, solid and tipped (excluding blades sold separately)								

Census File Number

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued

	T				Census	Product and other	er rece	ipts				
-	o No.		Products and services				product code		(E)			
-	Line			(A)			(B)	Millions	Thou- sands	Dollars		
6	2	Small Cutting	END MILLS AND	Inserted blade type cutters,	Nonindexible		35451 53 3	\$	 			
6		Tools for Machine Tools and	MILLING CUTTERS – Continued	CUTTERS -	CUTTERS -	all types complete	Indexible or thr	rowaway insert types	35451 54 1		 	
6		Metal- working Machinery –				Milling cutters, not elsewhere	High-speed stee	el	35451 62 4			
6		Continued (35451)				and tipped (excluding sold separately)	35451 64 0		 			
6	66		THREADING TOOLS	and inserted cha	aser types)	g sets and screw plates	35451 74 9		 			
6	57			with the body (in spring, two-piec	ncluding round, e, and adjustabl	orming edges integral square, hexagonal, e types) (excluding old in threading sets or	35451 73 1		 			
e	88			tangent types for heads, and tap k bodies, and char	r mounting into podies (excluding ser holders)	ing, circular blade and or onto holders, die g all die heads, tap	35451 75 6		 			
6	9			Thread-rolling d planetary)			35451 87 1		 	<u> </u>		
				Other threading threading sets) -	tools (including - <i>Specify kind ar</i>	screw plates and and stype of material			 			
7	0				35451 89 7		 					
7	11		Single and doub	Single and double point tools (See instructions)					[[
7	2			Circular form tools (including semifinished blanks)					 			
7	3		BLANKS, TIPS, AND INSERTS (See	ND INSERTS inserts)	ng pressed-to-size	35451 79 8		 				
7	4		instructions)	Inserts. indexible and throwaway	Carbide Precision ground	35451 83 0		 				
7	' 5			types		Other carbide	35451 81 4		[
7	6				Ceramic				 	1		
7	77				Other than carb	pide and ceramic	35451 96 2		 			
7	8			Inserts, other than indexible and throwaway	Carbide		35451 86 3		 			
7	9			types	Ceramic		35451 97 0		 	-		
8	30		OTHER TYPES		Other than carb	oide and ceramic	35451 99 6		 			
8	31		OTHER TYPES OF CUTTING TOOLS FOR	Carbon steel	Carbon steel				 			
8	32		MACHINE TOOLS, N.E.C. (Including rotary burrs,	High-speed stee	I		35451 94 7		 			
8	33		rotary files, and spade drills) Carbide, solid and tipped (excluding tips and blanks sold separately)				35451 98 8					
8		Other Attachments and Accessories	TOOL HOLDERS	Turning tool hol inserts and bits machine tool ho	(except box tool	illy clamping for s and screw	35454 12 3		 			
8	35	for Machine Tools and Metal-		Boring bars and	heads		35454 14 9		 			
8		working Machinery (35454)		Drilling, reaming	71 0		35454 17 2		[[
8	37	(Continued on next page)	(Continued on next page)		ines (box tools,	for screw and tool holders, turrets, tting bits and tools)	35454 31 3		 			

CONTINUE WITH ITEM 18B ON PAGE 10

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 - Continued Products shipped and other receipts Census Value, f.o.b. plant product Products and services code 581 (E) 584 Thousands Dollars Millions (B) (A) Other TOOL Die heads and tap bodies for chaser type threading and **HOLDERS** -**Attachments** 88 thread-rolling heads (excluding hand type die stocks) 35454 37 0 \$ Continued and Other tool holders (including other chucks, drill heads, Accessories for Machine 89 35454 38 8 tool posts, turrets, sleeves, sockets, etc.) Tools and WORK HOLDING DEVICES Metal-Rotary tables, including numerically controlled 35454 46 1 90 working **Machinery** -Indexing work holders, excluding rotary tables Continued **(35454)** (corresponds to the value of shipments as reported on CIR Form MQ35W, Metalworking Machinery, for 1997) 91 (Item code 8006)* 35454 47 9 Collets, jaws, vises (corresponds to the value of shipments as reported on CIR Form MQ35W, Metalworking Machinery, for 1997) (Item codes 8002, 8003, and 8005)* 92 35454 57 8 Other than collets, jaws or vises such as mandrels, feeding fingers clamps, stops, etc. 35454 58 6 93 **OTHER** Tracer and tapering attachments, safety devices, centers, dogs, work rests, chutes, etc. (excluding cutting tools, tool end work holders, jigs, fixtures, dies, and molds) ATTACHMENTS AND ACCESSORIES FOR MACHINE 94 35454 41 2 Chucks (corresponds to the value of shipments as reported on CIR Form MQ35W, Metalworking Machinery, for 1997) (Item code 8001)* TOOLS AND METAL-WORKING 95 35454 43 8 Tool room specialties (including levels, angle plates, parallels, sine bars, V-blocks, flats, etc.) MACHINERY, 96 35454 51 1 97 Other attachments and accessories 35454 98 2 **Precision** Measuring 98 35455 11 2 Comparators (excluding optical) Tools FIXED SIZE (Inspection, Quality Control, Tool LIMIT GAUGES (AMERICAN 99 35455 13 8 Fixture type GAUGE DESIGN TYPE Room, and Machinists') C58-61) (35455)100 Thread type 35455 15 3 Adjustable size limit gauges 35455 17 9 101 102 Gauge blocks 35455 21 1 103 Dial indicators 35455 61 7 Micrometers and calipers 35455 65 8 104 35455 71 6 105 Pneumatic and electronic gauges (manual and automatic) Coordinate and contour measuring machines (inspection and gauging) (corresponds to the sum of item codes 9001–9004 as reported on CIR Form MQ35W, Metalworking Machinery, for 1997) 106 35455 73 2 Other machinists' precision measuring tools (including dividers, gear checking machines, and surface texture measuring machines) – Specify kind and list each kind separately 107 35455 77 3 Parts and accessories for machinists' precision measuring tools (sold 108 35455 79 9 separately) DIAMOND GRINDING WHEELS 109 Metal bond 32916 72 8 110 Other bond 32916 74 4 111 Tungsten and tungsten-base alloy powders, paste, and flakes 33991 77 9 DIES (Except metal 34235 11 9 112 Steel rule dies cutting) Other cutting dies for use in cutting cloth, paper, leathers, etc. 34235 12 7 113 (excluding dies for cutting metal) **MACHINE** KNIVES Veneer knives and chipper knives 34235 21 8 (Except metal cutting) 34235 22 6 All other machine knives

Census File Number

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 - Continued

			Canaua	Products shipped and other receipts		
No.		Products and services	Census product code		o.b. pl E)	ant
Line No.		(A)	(B)	Millions	Thou- sands	Dollars
116	METAL- WORKING	Circular (including metal teeth and cutting segments, sold separately)	34250 31 6	\$	 	
117	POWER SAW BLADES	Hack (power only)	34250 35 7			
118		Band (flexible back, spring temper metal cutting, and high-speed metal cutting)	34250 36 5			
119		Other metalworking saw blades (saber, reciprocating, etc.)	34250 39 9			
120	Automotive job	stampings (truck, bus, and passenger car)	34650 00 2			
121	METAL CUTTING MACHINE TOOLS AND PARTS (SOLD SEPARATELY)	Boring machines (excluding machining centers) and drilling machines (excluding machining centers) (corresponds to the sum of item codes 1110–1265 as reported on CIR Form MQ35W, Metalworking Machinery, for 1997) (3541D)*	3541D 00 2		 	
122	(Excluding rebuilt machine tools)	Gear cutting machines (corresponds to the item code 1991 as reported on CIR Form MQ35W, Metalworking Machinery, for 1997) (35413)*	35413 00 4		 	
123	toois)	Grinding and polishing; buffing, honing, and lapping machines (except gear-tooth grinding, lapping, polishing, and buffing machines) (corresponds to the sum of item codes 2010–2740 as reported on CIR Form MQ35W, Metalworking Machinery, for 1997) (35414)*	35414 00 2	1	 	
124		Lathes (turning machines numerically and non-numerically controlled) (corresponds to the sum of item codes 2801–2811 and 2920–3192 as reported on CIR Form MQ35W, Metalworking Machinery, for 1997) (35415)*	35415 00 9			
125		Milling machines (excluding machining centers) (corresponds to the sum of item codes 3309–3675 as reported on CIR Form MQ35W, Metalworking Machinery, for 1997) (35416)*	35416 00 7			
126		Other metal cutting machine tools, n.e.c. (except station-type and machining centers) and those designed primarily for home workshops, laboratories, etc.), including broaching machines, sawing and cut-off machines, spark erosion, ultrasonic, and electrolytic machines, rifling, centering, key seating, pointing, chamfering, facing, shaving, grooving, counter-sinking, burring, reaming, screw and nut slotting machines, threading, planers, and shapers (corresponds to the sum of item codes 3840–4630) as reported on CIR Form MQ35W, Metalworking Machinery, for 1997) (3541C)*	3541C 00 4			
127		Parts for metal cutting machine tools (sold separately)	35419 11 8			
128	METAL FORMING MACHINE TOOLS AND PARTS (SOLD SEPARATELY)	Punching and shearing machines (including power and manual) and bending and forming machines (power only) (corresponds to the sum of item codes 5009–5270 as reported on CIR Form MQ35W, Metalworking Machinery, for 1997) (35421)*	35421 00 7			
129	(Excluding rebuilt machine tools)	Other metal forming machine tools, including forging and die-stamping machines, thread-rolling machinery, metal container-making machinery, die-casting machines, riveting machines (except handheld portable types), and all other metal forming type machine tolls, not elsewhere classified (corresponds to the sum of item codes 6540–7173 as reported on CIR Form MQ35W, Metalworking Machinery, for 1997) (35423)*	35423 00 3			
130		Other parts of metal forming machine tools	35424 10 0			
131	INDUSTRIAL PATTERNS	Foundry patterns	35430 11 5			
122	(Wood, metal, etc.), EXCEPT SHOE PATTERNS	All other industrial patterns (except shoe patterns)	35430 98 2	 		
133	neceipts for ma	chine shop job work and job order repair	35995 00 0	L		

CONTINUE WITH ITEM 18B ON PAGE 12

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued											
							Product and oth				
o.		Products and	l sarvicas			Census product	Value, 1				
Line No.		Troducts and	1 361 11063	-			584	(E)	!		
<u> </u>	ALL OTHER	(A)		. 21 1	, ,	(B)	Millions	Thou- sands	 Dollars		
	ALL OTHER PRODUCTS	Describe and report separatel \$50,000 or more which canno	y each produc t be assigned	ct with a sales va to one of the lin	es above.				 		
134	MADE IN THIS ESTABLISH- MENT					18	\$	1			
						26	Ψ	<u>.</u> 			
135	<u> </u>					34		1	1		
136	5					42		 			
137	,										
138	CONTRACT WORK	Receipts for work done for oth				93000 00 8		 			
		Describe below products work	ked on and kir	nd of work.					 		
								1	 		
	MISCELLA-					00000 40 0		 			
139	NEOUS RECEIPTS	Sales of scrap and refuse				99980 13 8		1			
140	<u> </u>	Receipts for research and dev	elopmental w	ork		99980 41 9		 			
141	<u> </u>	Receipts for repair work				99980 61 7		<u> </u>			
142		Other miscellaneous receipts				99980 98 9		 			
	RESALES	Sales of products bought and processing, or assembly in the	sold without	further manufact	ture,			1			
143	3	items should be reported in it	em 10, line b.			99989 00 6		<u>i</u>	i		
144	TOTAL va Sum of lin	alue of shipments and other les 1-143, column (E)	receipts	receipts			\$	 			
lt		TED PRODUCTS PRODUCE R PRODUCTS MADE IN THIS	S ESTABLISH	HMENT	T AND USED	IN MANUF	ACTURING	ì			
	1. Report bel	ow the quantity of each listed		RUCTIONS 3. Materials	used to produ	uce the items	specified b	elow			
	produced manufactu	in this establishment and used Iring other products made in th	in	should b	e reported in i	tem 17.					
	establishm	nent.		incorpor item 18B	ation in other	products sho	ould be repo	rted in			
	2. Purchases should be	or receipts of the items specific reported only in item 17.	ed below	5. Report que column (uantities in the D).	unit of mea	sure specifie	ed in			
			Census	Was this	operation	Unit of	Quantitie in this es				
		Item	code	Was this operation performed at this establishment during 1997?		measure	and manufac	used in	n other		
Line No.				592	C)	quantities	produc this est	ts mad ablishm	e in nent		
Ë		(A)	591 (B)	Yes	No	(D)	593	(E)			
1	Ferrous foundrie	es	1001 7	1	2	Short					
2	NONFERROUS FOUNDRIES (Except	Aluminum	1002 5	1 🗆	2						
3	die-casting)	Copper	1003 3	1	2						
4		Zinc	1004 1	1	2	Thousand pounds					
5		Other	1005 8	1	2						
6	Nonferrous die-	casting foundries	1006 6	1	2						
7	Precision turned	I products (on screw machines, and CNC equipment)		1	2	,					
	Items 20 and 21 – Not applicable to this report										

If not shown, pleas from the address l	se enter your 11-digit Census abel on page 1	File Numl	per	Census File N	umber			
REMARKS - Pleas	se use this space for any exp	olanations	that ma	y be essential in	understanding	g your reported	d data.	
Item 22. CERTIF	ICATION – This report is su	ıbstantiall	y accura	ite and has beei	n prepared in	accordance w	ith ins	ructions.
Name of person to	contact regarding this repo				Area code	Number		Extension
Name of company	,			Telephon Address (Numl		city, State, ZIP	Code)	1
	FROM: Month	Day	Yea			Day		Year
Period covered	666 1	Day		2	.51101	Day		
Signature of autho	orized person		Title				Date	